

FORM PTO-1449
MODIFIEDU.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
201684SERIAL NO.
09/393,456INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Flower et al.FILING DATE
September 10, 1999GROUP
3736

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>S</i>	AA	1,048,419	03/65	Krumbiegel et al.			
	AB	2,895,955	07/59	Heseltine et al.			
	AC	3,736,524	05/73	Drexhage			
	AD	3,893,447	07/75	Hochheimer et al.			
	AE	4,369,250	01/83	Gindler			
	AF	4,412,543	11/83	Vassiliadis et al.			
	AG	4,466,442	08/84	Hilman et al.			
	AH	4,541,438	09/85	Parker et al.			
	AI	4,573,778	03/86	Shapiro			
	AJ	4,608,990	09/86	Elings			
	AK	4,762,701	08/88	Horan et al.			
	AL	4,786,813	11/88	Svanberg et al.			
	AM	4,799,783	01/89	Takahashi et al.			
	AN	4,821,117	04/89	Sekiguchi			
	AO	4,835,103	05/89	Cercek et al.			
	AP	4,842,401	06/89	Maurice			
	AQ	4,859,584	09/89	Horan et al.			
	AR	5,092,331	03/92	Nakamura et al.			
	AS	5,126,235	06/92	Hioki			
	AT	5,141,303	08/92	Yamamoto et al.			
	AU	5,150,292	09/92	Hoffmann et al.			
	AV	5,163,437	11/92	Fujii et al.			
	AW	5,225,859	07/93	Fleischman			
	AX	5,247,318	09/93	Suzuki			
	AY	5,277,913	01/94	Thompson et al.			
	AZ	5,279,298	01/94	Flower			
	BA	5,292,362	03/94	Bass et al.			
	BB	5,303,709	04/94	Dreher et al.			
	BC	5,315,998	05/94	Tachibana et al.			
	BD	5,394,199	02/95	Flower			
	BE	5,400,791	03/95	Schlier et al.			
	BF	5,438,989	08/95	Haglund et al.			
	BG	5,441,858	08/95	Delprato et al.			
	BH	5,450,144	09/95	Ben Nun			
	BI	5,552,452	09/96	Khadem et al.			
	BJ	5,569,587	10/96	Waggoner et al.			
	BK	5,573,750	11/96	Singh			

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SS	BL	5,576,013	11/96	Williams et al.			
	BM	5,618,733	04/97	Sakata et al.			
	BN	5,624,597	04/97	Buhl et al.			
	BO	5,643,356	07/97	Nohr et al.			
	BP	5,648,062	07/97	Klaveness et al.			
	BQ	5,676,928	10/97	Klaveness et al.			
	BR	5,691,204	11/97	Kantor et al.			
	BS	5,707,608	01/98	Liu			
	BT	5,707,986	01/98	Miller et al.			
	BU	5,716,642	02/98	Bagchi et al.			
	BV	5,719,027	02/98	Miyazaki et al.			
	BW	5,747,475	05/98	Nordquist et al.			
	BX	5,750,722	05/98	Huynh et al.			
	BY	5,762,957	06/98	Mehlhorn			
	BZ	5,773,299	05/98	Kim et al.			
	CA	5,804,448	09/98	Wang et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO*
SS	CB	1048419		Great Britain				
	CD	244492	04/87	Germany (East)			Abs only	
	CE	87042892	09/87	Japan			Abs only	
	CF	3926652	04/91	Germany			Abs only	
	CG	96/31237	12/96	WIPO				
	CH	97/31582	09/97	WIPO				
	CI	97/33620	09/97	WIPO				
	CJ	589825	05/98	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SS	CK	"Photosensitizer," <i>Ophthalmic Surgery and Lasers</i> , Vol. 28, No. 5, p 410 (1997).
	CL	Desmetre et al., "Diode Laser-Induced Thermal Damage Evaluation on the Retina with a Liposome Dye System," <i>Lasers in Surgery and Medicine</i> , Vol. 24, pp. 61-68 (1999).
	CM	Flower et al., "Evolution of Indocyanine Green Dye Choroidal Angiography," <i>Optical Engineering</i> , Vol. 34, No. 3, pp. 727-736 (1995).
	CN	Flower et al., "Pulsatile Flow in the Choroidal Circulation: A Preliminary Investigation," <i>EYE</i> , Vol. 4, pp. 310-318 (1990).
	CO	Flower et al., "Variability in Choriocapillaris Blood Flow Distribution," <i>Investigative Ophthalmology & Visual Science</i> , vol. 36, No. 7, pp. 1247-1258 (1995).
	CP	Flower, "Choroidal Angiography Today and Tomorrow," <i>Retina</i> , Vol. 12, No. 3, pp. 189-190 (1992).

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SS	CQ	Flower, "Extraction of Choriocapillaris Hemodynamic Data from ICG Fluorescence Angiograms," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 34, No. 9, pp. 2720-2729 (1993).
	CR	Flower, "Injection Technique for Indocyanine Green and Sodium Fluorescein Dye Angiography of the Eye," <i>Investigative Ophthalmology</i> , Vol. 12, No. 12, pp. 881-895 (1973).
	CS	Gathje et al., "Stability Studies on Indocyanine Green Dye," <i>Journal of Applied Physiology</i> , Vol. 29, No. 2 pp. 181-185 (1970).
	CT	Holzer et al., "Photostability and Thermal Stability of Indocyanine Green," <i>J. Photochem. Photobiol. B: Biol.</i> Vol. 47, pp. 155-164 (1998).
	CU	Klein et al., "An Image Processing Approach to Characterizing Choroidal Blood Flow," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 31, No. 4, pp. 629-637 (1990).
	CV	Miki et al., "Computer Assisted Image Analysis Using the Subtraction Method in Indocyanine Green Angiography," <i>European Journal of Ophthalmology</i> , Vol. 6, No. 1, pp. 30-38 (1996).
	CW	DuBosar, "Population at Risk: Age-Related Macular Degeneration," <i>Ocular Surgery News</i> , 10 Pages, (May 15, 1998).
	CX	Chen et al., "Photothermal Effects on Murine Mammary Tumors Using Indocyanine Green and an 808-nm Diode Laser: an in vivo Efficacy Study," <i>Cancer Lett.</i> , Vol. 98, No. 2, pp. 169-173 (1996).
	CY	Alcon Pharmaceuticals Ltd. "Pharmacocycics Inc," <i>The Business and Medicine Report</i> , p. 63 (January 1998).
	CZ	Shiraga et al., "Feeder Vessel Photocoagulation of Subfoveal Choroidal Neovascularization Secondary to Age-Related Macular Degeneration," <i>Ophthalmology</i> , Vol. 105, No. 4, pp. 662-669 (1998).
EXAMINER		DATE CONSIDERED 8/2/04

*A concise statement of relevance is being submitted in lieu of a translation. 37 CFR §1.98(b).
1449FORM (Rev. 7/15/1999)

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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SS	DA	3,871,772	03/75	Munnerlyn et al.			
	DB	3,944,341	03/76	Pomerantzeff			
	DC	4,056,310	11/77	Shimizu et al.			
	DD	4,251,139	02/81	Matsumura			
	DE	4,978,213	12/90	El Hage			
	DF	5,072,731	12/91	Taratuta et al.			
	DG	5,116,114	05/92	Nakamura			

FOREIGN PATENT DOCUMENTS

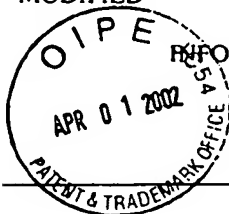
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO*
SS	DH	2034916	06/80	Great Britain				
	DI	3124305	01/83	Germany			Abs only	
	DJ	0109846	05/84	Europe				
	DK	0554643	08/93	Europe				
	DL	0649667	04/95	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SS	DM	Flower et al., "Clinical Infrared Absorption Angiography of the Choroid," <i>American Journal of Ophthalmology</i> , Vol. 73, No. 3, pp. 458-459 (1972)
	DN	Flower et al., "A Clinical Technique and Apparatus for Simultaneous Angiography of the Separate Retinal and Choroidal Circulations," <i>Investigative Ophthalmology</i> , Vol. 12(4), pp. 248-261 (1973)
	DO	Hochheimer et al., "Angiography of the Cervix," <i>Johns Hopkins Medical Journal</i> , Vol. 135, pp. 375-382 (1974)
	DP	Flower, "High Speed Human Choroidal Angiography Using Indocyanine Green Dye and a Continuous Light Source," <i>International Symposium on Fluorescein Angiography, Documenta Ophthalmologica Proceedings Series</i> , Vol. 9, pp. 59-64 (1976)
	DQ	Flower et al., "Indocyanine Green Dye Fluorescence and Infrared Absorption Choroidal Angiography Performed Simultaneously with Fluorescein Angiography," <i>Johns Hopkins Medical Journal</i> , Vol. 138, No. 2 pp. 33-42 (1976)
	DR	Orth et al., "Potential Clinical Applications of Indocyanine Green Choroidal Angiography," <i>The Eye, Ear, Nose and Throat Monthly</i> , Vol. 55, January, pp. 15-28, 58 (1976)
	DS	Patz et al., "Clinical Applications of Indocyanine Green Angiography," <i>International Symposium on Fluorescein Angiography, Documenta Ophthalmologica</i> , Vol. 9, pp. 245-251 (1976)
	DT	Flower, "Choroidal Fluorescent Dye Filling Patterns a Comparison of High Speed Indocyanine Green and Fluorescein Angiograms," <i>International Ophthalmology</i> , Vol. 2(3), pp. 143-150 (1980)
	DU	Hyvarinen et al., "Indocyanine Green Fluorescence Angiography," <i>ACTA Ophthalmologica</i> , Vol. 58, pp. 528-538 (1980)
	DV	Bischoff et al., "Ten Years Experience with Choroidal Angiography Using Indocyanine Green Dye-A New Routine Examination or an Epilogue," <i>Doc Ophthalmology</i> , Vol. 60(3), pp. 235-291 (1985)
	DW	Murphy et al., "Effects of Retinal Photocoagulation on the Choroidal Circulation," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 32(4), p. 785 (1991) MEETING ABSTRACT
	DX	Murphy et al., "Indocyanine Green Angiographic Studies of Occult Choroidal Neovascularization," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 34(4), p. 1134 (1993) MEETING ABSTRACT
	DY	Flower, "Binding and Extravasation of Indocyanine Green Dye," <i>Retina</i> , Vol. 14, No. 13, pp. 283-284 (1994)
	DZ	Lim et al., "Indocyanine Green Angiography," <i>International Ophthalmology Clinics</i> , Vol. 35(4), pp. 59-70 (1995)
	EA	Hiner et al., "A Previously Undescribed Indocyanine Green Angiographic Filling Pattern," <i>Investigative Ophthalmology & Visual Science</i> , Vol. 36, No. 4 (1995) Summary MEETING ABSTRACT
	EB	Flower et al., "Disparity Between Fundus Camera and Scanning Laser Ophthalmoscope Indocyanine Green Imaging of Retinal Pigment Epithelium Detachments," <i>Retina</i> , Vol. 18(3), pp. 260-268 (1998)
	EC	Staurenghi et al., "Laser Treatment of Feeder Vessels in Subfoveal Choroidal Neovascular Membranes," <i>Ophthalmology</i> , Vol. 105, No. 12, pp. 2297-2305 (1998)
	ED	Flower et al., "Expanded Hypothesis on the Mechanism of Photodynamic Therapy Action on Choroidal Neovascularization," <i>Retina</i> , Vol. 19, No. 5 pp. 365-369 (1999)
	EE	Flower, "Experimental Studies of Indocyanine Green Dye-Enhanced Photocoagulation of Choroidal Neovascularization Feeder Vessels," <i>American Journal of Ophthalmology</i> Vol. 129, No. 4, pp. 501-512 (2000)

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8/2/04

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MODIFIEDU.S. DEPARTMENT OF COMMERCE
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U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		APPLICATION OR PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SS	EF	5,798,349	08/1998	Levy et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO**
SS	EG	95/24930	09/1995	WO				
	EH	EP0791361A	08/1997	Europe				
	EI	97/46262A	12/1997	WO				
	EJ	00/41726A	07/2000	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SS	EK	Mendelson et al., "Amelioration of Experimental Lipid Keratopathy by Photochemically Induced Thrombosis of Feeder Vessels," <i>Arch Ophthalmol</i> , Vol. 105, July 1987 (pp. 983-988).
	EL	Tsilimbaris et al., "Photothrombosis Using Two Different Phthalocyanine Administration Routes: Continuous I.V. Infusion v. Bolus I.V. Injection," <i>Photochem. Photobiol.</i> , 62(3), 1995, (pp. 435-441).
	EM	Spinelli et al., "Endoscopic Treatment of Gastrointestinal Tumors: Indications and Results of Laser Photocoagulation and Photodynamic Therapy," <i>Seminars in Surgical Oncology</i> , 11 (4), 1995, (pp. 307-18), (Abstract only)
	EN	Von Kerczek et al., "The Effects of Indocyanine Green Dye-Enhanced Photocoagulation on the Blood Flow in the Choriocapillaris and the Choroidal Neovascularization," <i>Advances in Heat and Mass Transfer in Biotechnology</i> , 2000, (pp. 1-3). (Abstract only).

EXAMINER

DATE CONSIDERED

8/2/04

* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

SCIENCE

[illegible]

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	10/034,432
Filing Date	December 27, 2001
First Named Inventor	ALAM, Abu
Group Art Unit	3737
Examiner Name	
Attorney Docket Number	207324

Sheet	1	of	1	Attorney Docket Number	207324
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OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
SS	EO	IC-Green™ (Sterile Indocyanine Green); Product insert; Akorn, Inc. (2001)		

Date Considered

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- + An English-language equivalent patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).